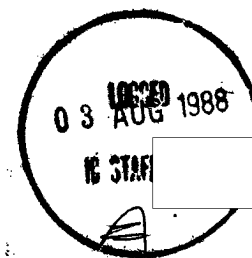


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ICS-2251/88  
22 July 1988

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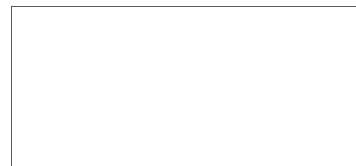
MEMORANDUM FOR: [redacted] Chairman/COMIREX  
SUBJECT: Processing Segment Hardware [redacted]  
REFERENCE: Memorandum dtd 2 June 1988, same subject

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1. In response to Jim's memo, we asked the CAMS P/S program office to give us an OIT position on the maintenance of Delta Data terminals and its impact on the P/S. [redacted] reply is attached for reference. [redacted]

2. The following summarizes the key points of the response.
- a. OIT maintenance people believe there will be a steady flow of Delta Data spare parts for the next six years. These will be provided by a combination of acquisition of new parts and recovery of parts from Delta Datas that have been replaced.
  - b. The P/S is currently working to enable 3270 workstation (in particular, SUN) connectivity to CAMS by the adaptation of the TROMNI capability. They believe they can support a mix of Delta Datas and workstations of various types until 1993.
  - c. If CAMS is replaced by RMS in 1993, then at worst there may be isolated instances of terminals not being repaired as quickly as in the past, but no major shortfall in service is expected.
  - d. If RMS IOC occurs in FY95 as is currently planned, the P/S program office believes the risk of maintenance failures becomes unacceptably high. However, in this scenario the terminal problem is subordinate to an IBM operating system concern. The current VM/SP operating system will no longer be supported by IBM and must be replaced by VM/XA. VM/XA does not support Delta Data terminals.

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- e. The P/S program officer has submitted a budget initiative (CAMS Extension Initiative) which presents a plan for addressing these problems. Elements of this plan include the replacement of Delta Datas with the ITC Intell 386, the new agency standard workstation, which provides a lower cost option for those users who do not need the SUN workstation capability. [redacted]

3. We will keep you informed of activity in this area. [redacted]

Chief, DEEG/CMX

Attachment:

Memo dtd 6 July 1988, Subj: Delta Data Terminals [redacted]

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**Page Denied**

ATTACHMENT

6 July 1988

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MEMORANDUM FOR:

FROM:

SUBJECT:

Delta Data Terminals

1. The information contained in the COMIREX Operations Group memo is basically correct with re to the uncertainty of the maintenance status of the Delta Data terminals. However, some interpretation is required. It is correct that Delta Data is out of the spare parts business, but they have licensed other manufacturers to produce parts. That is being done, albeit with the up-front payment, large order proviso. Some orders are in fact lagging in delivery but the parts are trickling in. Moreover, OIT is stockpiling Delta Data terminals that have been turned in for spare parts. The OIT maintenance people believe that the rate of turnins will provide a steady flow of spare parts for the next six years, when combined with the acquisition of new parts.

2. The P/S is not alone in being critically dependent on Delta Datas. Other Agency systems, which are considered to be of equal concern, face the same dilemma. The only way to protect CAMS interests would be to create our own stockpile by buying turnins, etc. We are not funded adequately to do that nor are the logistics realistic. We will compete for the available spares. To get new terminals, we are planning purchase of terminals from offices that replace them with the new Agency standard workstation. The real risk to the P/S is addressed below and is relative to the scenarios of either an RMS IOC in 1993 or a deferral of that IOC until 1995 or later.

3. The Delta Data problem is manageable, given some funding. We are currently working to enable 3270 workstations to be connected to CAMS by the adaptation of the TROMNI capability, first for the SUN but, if successful, to the new Agency workstation standard, the ITC Intell 386. The implementation of SNA later this year will be the first step toward making workstation connectivity possible. With adequate funding, we may be able to install operational ITC terminals in about a year.

ATTACHMENT

4. If CAMS is replaced by 1993, then at worst there may be isolated instances of terminals not being repaired as quickly as in the past, but there should not be any major shortfall in service. Despite this probability, we continue to recommend the phasing in of the workstation capability under the TROMNI umbrella. There would be a mix of Delta Datas and workstations of various types until the 1993 IOC.

5. If RMS is deferred until 1995, then it is the contention of the CAMS Program Office that the risk of maintenance failures would grow to be unacceptably high for the CAMS application. In any event, we would have to be off the Delta Datas by September 1991 in order to implement the VM/XA operating system on our computers, so the terminal problem would be moot.

6. With re to the replacement costs, the ceiling price of the ITC Intell 386 is expected to be about \$15,000. The CAMS Extension Initiative has some limited funds earmarked for the replacement of existing Delta Datas, so replacement can move relatively quickly once the Initiative is approved and the capability is in place. The TOOLKIT work is being done under COMIREX Staff auspices, not by OIT, on a SUN-4 workstation which indeed runs about \$30,000. However, the vast majority of users can do everything they require on the much cheaper ITC Intell 386 or even on a moderately-priced SUN-3.

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